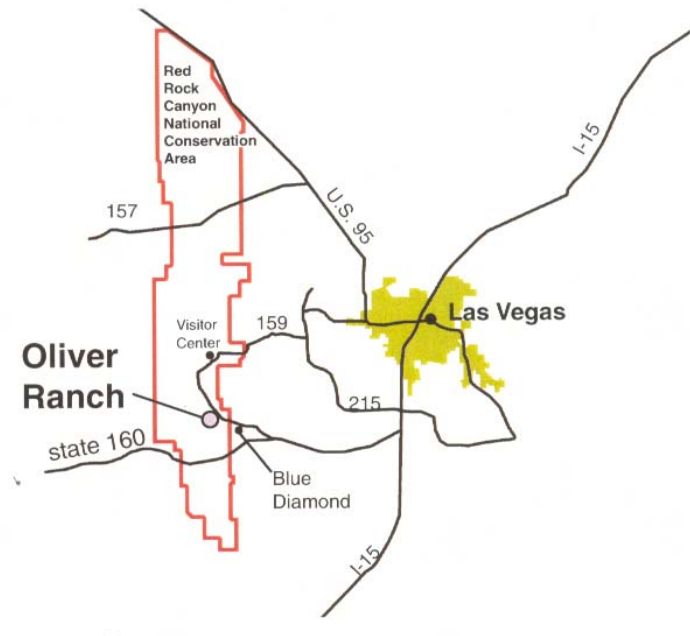
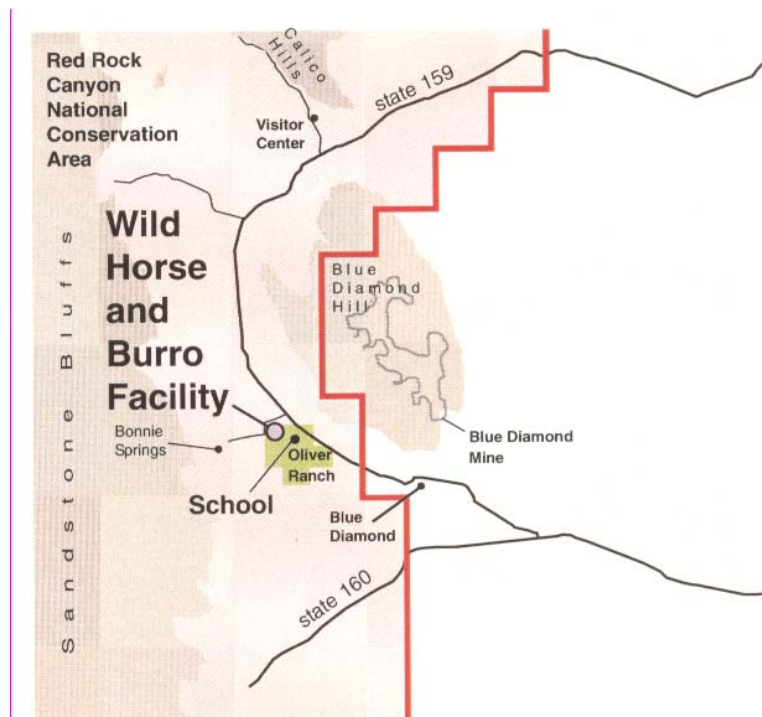


3.0 Site

3.1 Location Map



3.2 Site Map



Wild Horse and Burro Facility

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3.0 Site

3.3 Context

The Wild Horse and Burro Facility will be constructed on a site in the northwest portion of the 300 acre parcel known as Oliver Ranch. The Oliver Ranch site is located on the eastern edge of the Red Rock Canyon National Conservation Area off of Highway 159, south of Bonnie Springs Road. The old ranch house site of the Oliver Ranch parcel will be the location of the Oliver Ranch School (refer to the design program for this facility for additional information).

The Wild Horse and Burro Facility will be used as an educational component of the Oliver Ranch School curriculum. A walking trail will be developed between the two facilities for the students to visit this facility. Two teaching shade structures will be built at or near the Wild Horse and Burro Facility to serve as outdoor classroom for students to learn about the mission of this facility.

The portion of the Oliver Ranch site for the Wild Horse and Burro Facility designated by the BLM is in a previously disturbed area of land adjacent to the Bonnie Springs Road. A portion of the site for this facility was used over the last 2 years as a pasture/corral area for a group of approximately 25 wild horses gathered from the open range. Temporary fencing panels contained these horses but over time the horses' activities disturbed the soil and native vegetation of the pasture. Currently, little native vegetation remains and most of the sandy ground is covered with the invasive, non-native, Red Brome grass.

Down a small decline and immediately north of the area designated by the BLM for the Wild Horse and Burro Facility is Lone Willow Spring. Although surface water is rarely observed at this spring, the spring does support a riparian area with noticeably larger vegetation including some larger Mesquite Trees and Desert Willows.

A small portion of the site located east of this spring and on a north facing slope appears to have been disturbed by some activity in the past. Again, Red Brome has become established as the most abundant vegetation in this area. Most of this disturbed area is covered by a visible white crust of salts and minerals that have leached up from the soil.

Located southwest of the designated site is a single family residence owned by the Parrot Family. Adjacent to their house is a large enclosed barn and riding arena. Bonnie Springs, an old west flavored entertainment venue, which includes a small motel, restaurant, and a rodeo arena, is located west of the Parrot Residence.

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3.0 Site

3.4 Goals

Goals were developed as a result of workshop input. Many goals are applicable to various aspects of the project including the site, the facility, sustainability concepts, and overriding themes such as conservation of resources. The following list represents goals applicable most specifically to the site.

Respect the site ... Fit the site ... Touch the site with minimal structural/visual impact ... The building need not spoil the view ... Strive for acoustical control ... Respect & honor the environment (compliments spirit of place) ... Harmony with the environment ... Bring the outside in ... Maximize new development in areas previously disturbed by man's (or animals') use ... Minimal new site disturbance ... Develop in areas previously disturbed ... Use the site sustainably ... Put things together in a sustainable way that does not degrade the site ... Reduce dependence on energy resources ... Use the site to promote flexibility to deal with varying weather conditions ... Use native plant species only for landscaping ... Learn from the site and apply this knowledge to new development ... Structures inspired by natural adaptations to the desert ... Shade structures could represent different desert homes (burrow, native structure, nest, etc.) ... Assess the impact of activities on the site ... Minimize environmental impact ... Be a good neighborhood ... Have a strong partnership with the adjacent neighbors ... Preserving the values of the 'neighborhood' – both the built environment and natural environment ... Interface well and bring a positive influence to others in the neighborhood ... Don't adversely affect the missions, business, or well-being of the neighbors to the site ... Use materials appropriate for the site... Efficiency ... Orient the building to take advantage of shade ... Efficiency - minimize use of resources

Note: For convenience many goals listed above were copied from the Oliver Ranch School program.

3.0 Site

3.5 General Overview

Seen and unseen aspects of the site that will be researched, analyzed, and assessed in a comprehensive site analysis to be completed later include;

Climate:

Sun ... Wind ... Wind – dust impact to or from neighbors ... Wind – odor impact to or from neighbors (Bonnie Spring wastewater treatment) Rain ... Hydrology (run-off, springs, drainages, erosion)

Water:

Water rights ... Water usage ... Water conservation ... Aquifer ... Movement of water through the aquifer ... Perched aquifer ... Water quality ... Drainage ... Use of lower quality water from a secondary aquifer for some needs of this facility

Life:

Vegetation ... Non-native plants ... Animals ... Wild horses and burros

Noise:

Noise impact from highway ... Noise impact from neighbors ... Noise impact on neighbors... Periods and duration of noise impacts ... Special events impact (concerts at Spring Mountain Ranch State Park, Rodeos at Bonnie Springs)

Archeology, history, and culture:

Native people ... Archeological or historical sites and preservation/protection of these sites

Pedestrian/vehicular circulation/parking:

Highway circulation ... Traffic safety ... Noise ... Impact on site ... Safety ... Circulation requirement differences related to different kinds of events ... Parking ... Overflow parking needs

Soils:

Structural integrity ... Sandy ... Micro-biotic crust ... Dust creation and impact

Views:

Views from the site (broad, large scale, and intimate) ... Views onto the site (broad, large scale, and intimate) ... Views through the site ... Seasonal impact on views (summer foliage compared to lack of foliage in winter) ... Impact on highway ... Impact on neighbors ...

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3.0 Site

Neighbors:

Bonnie Springs ... Spring Mountain Ranch State Park ... Oliver Ranch School ... RRCNCA Visitor Center ... RRCNCA as a whole ... The Parrot household ... Blue Diamond ... Calico Basin

Utilities:

Electricity ... Water ... Sewer ... Greywater and reclaimed water ... Gas ... Telephone ... Data ... Satellite ... Energy alternatives (solar/photovoltaic, passive solar, wind, biogas from a digester/biogas generator)⁶

Note: For convenience many site forces listed above were copied from the Oliver Ranch School program.

Wild Horse and Burro Facility

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